

WHAT IS CLAIMED IS:

1. An optical medium for storing digital data thereon, comprising:
a sequence of binary indicators on a first layer;
a reflective layer disposed on the first layer; and
a photosensitive layer disposed on the reflective layer, the reflective layer disposed between the first layer and the photosensitive layer, the photosensitive layer experiencing a perceivable loss of translucence upon exposure to a light source.
2. The optical medium according to claim 1, wherein the photosensitive layer comprises a photosensitive dye.
3. The optical medium according to claim 1, further comprising a protective transparent layer, the photosensitive layer disposed between the transparent layer and the reflective layer.
4. The optical medium according to claim 1, further comprising a protective transparent layer, the photosensitive layer integrated within the protective transparent layer.
5. The optical medium according to claim 3, wherein the transparent layer comprises a thermoplastic.
6. The optical medium according to claim 1, wherein the first layer comprises an acrylic.
7. The optical medium according to claim 1, wherein the sequence of binary indicators comprises a sequence of pits and bumps arranged in a spiral pattern disposed on the first surface of the medium.
8. The optical medium according to claim 1, wherein the sequence of binary indicators comprises moving pictures expert group-2 formatted video.

10072370-020703

9. The optical medium according to claim 1, wherein the sequence of binary indicators comprises digitally formatted audio.

10. The optical medium according to claim 1, further comprising:
a plurality of sequences of binary indicators; and
a plurality of reflective layers each respectively disposed on the first layer having one of the plurality of sequences of binary indicators.

11. The optical medium according to claim 1, wherein the reflective surface is selected from the group consisting of aluminum and gold.

10008290-1

12. A method of performing a data read from an optical medium having a sequence of indicators having a binary value assigned thereto, comprising:

radiating light onto a surface of the optical medium having the sequence of binary indicators disposed thereon through a photosensitive material disposed over the sequence and causing the translucence of the photosensitive material to decrease;

detecting light reflected from the surface of the optical medium; and

interpreting the reflected light as a binary value.

13. The method according to claim 12, wherein the decrease of the translucence causes the interpretation of at least a portion of the binary sequences to deviate from the binary value assigned thereto at a next data read of the optical medium.

14. The method according to claim 12, wherein the decrease of the translucence causes the interpretation of at least a portion of the binary sequences to deviate from the binary value assigned thereto after a plurality of later data reads from the optical medium.

15. The method according to claim 12, wherein radiating light onto a surface of the optical medium having the sequence of binary indicators disposed thereon further comprises radiating light onto a surface of the optical medium having a sequence of pits and bumps arranged in a spiral on the surface.

16. The method according to claim 12, further comprising radiating light through a protective transparent layer of the optical medium, the photosensitive material disposed intermediate the protective transparent layer and the surface of the optical medium having the sequence of binary indicators disposed thereon.

17. The method according to claim 12, further comprising radiating light through a protective transparent layer comprising the photosensitive material.

10008290-1

18. A system of performing a data read from an optical medium having a sequence of indicators having a binary value assigned thereto, comprising:

means for radiating light onto a surface of the optical medium having the sequence of binary indicators disposed thereon through a photosensitive material disposed over the sequence and causing the translucence of the photosensitive material to decrease by an appreciable amount;

means for detecting light reflected from the surface of the optical medium; and

means for interpreting the reflected light as binary zero or one.

19. The system according to claim 18, wherein the decrease of the translucence causes the interpretation of at least a portion of the binary sequences to deviate from the binary value assigned thereto at a next data read of the optical medium.

20. The system according to claim 18, wherein the decrease of the translucence causes the interpretation of at least a portion of the binary sequences to deviate from the binary value assigned thereto after a plurality of later data reads from the optical medium.

10008290-1